

Cymopterus ripleyi* Barneby var. *saniculoides* Barneby (1941) SANICLE BISCUITROOT*FAMILY:** *Apiaceae*, the carrot family.**SYNONYMS:** *Cymopterus ripleyi***STATUS:** **Heritage Program SENSITIVE LIST, ranks: G3G4 T3Q S3****USFWS/ESA:** species of concern. **STATE OF NEVADA:** none. **BLM:** Special Status Species. **USFS:** none.**NNPS:** watch list.**POPULATION CENSUS:** **23 occurrences mapped** at 1.0 km (0.6 mi) separation, **OR 33 occurrences mapped** at 0.16 km (0.1 mi) separation; total estimated **individuals 7465+**, total estimated **area 158+ ha (390+ ac)**. **TREND:** unknown.**IMPACTS AND MAJOR THREATS:** No summary available (see references).**INVENTORY EFFORT:** Surveys have been extensive in some areas but likely remain substantially incomplete. Most recent entered survey 1994, average year of last survey 1987. **Years since last entered survey** (percent of mapped records at various survey ages): **6-10 yrs:** 73.5%; **11-20 yrs:** 5.9%; **21-30 yrs:** 8.8%; **31-50 yrs:** 8.8%; **51+ yrs or unknown:** 2.9%.**LAND MANAGEMENT** in decreasing predominance: U. S. Department of Energy, U. S. Department of Defense, U. S. Bureau of Land Management, U. S. Fish and Wildlife Service (?), Nevada state lands (?).**RANGE:** Lincoln and Nye counties, Nevada. **Nevada endemic.** Maximum **range dimension 184.9 km (114.9 mi)** excluding most disjunct record. **Type specimen** collected in Nye County.**ELEVATIONS RECORDED:** 3150-6720 feet (960-2048 meters).**HABITAT:** Loose sandy to gravelly, often somewhat alkaline soils on volcanic tuff deposits and mixed valley alluvium, typically in small drainage-ways, in the blackbrush, mixed-shrub, sagebrush, and lower pinyon-juniper zones.**PHENOLOGY:** flowering late-winter to spring. Range of most frequent **survey months:** March-June.**LIFE-FORM AND HABIT:** small perennial herb from a buried root crown.**DESCRIPTION:** not available (see references).**PHOTOGRAPHS:** Blomquist et al. (1995), Knight and Smith (1995), Knight et al. (1997).**ILLUSTRATIONS:** Cronquist et al. (1997).**OTHER GENERAL REFERENCES** (listed separately): Beatley (1976), Hickman (1993).**SPECIFIC REFERENCES:**Barneby, R. C. 1941. A new species of *Cymopterus* from Nevada. *Leaflets of Western Botany* 3: 81-83.**OF FURTHER INTEREST:** The varieties of *Cymopterus ripleyi* were not recognized in the Jepson Manual (Hickman 1993) or in Intermountain Flora (Cronquist et al. 1997). The known occurrences still exhibit some segregation in geography, elevation, and habitat, however, and are provisionally maintained as distinct by the Nevada Natural Heritage Program pending further study.